

CVL32

surface mount loudspeaker technical data sheet



key features:

- weather resistant enclosure
- aluminum construction
- 25/70V and 8Ω operation
- selectable power tap settings

key applications:

- voice paging and background music
- education institutions
- outdoor retail space
- outdoor patios

description:

The CVL32 loudspeaker system uses a 4" LF and a 0.5" HF driver to give superb voice quality as well as full musical sound quality. This rugged mini-line column loudspeaker package is made with an extruded aluminum housing. The CVL32 is perfect for installations requiring voice paging and background music in areas susceptible to vandalism such as roadhouse patios or school properties. CVL32 loudspeakers ship in pairs complete with mounting brackets.

specifications: CVL32

Driver	4" (102mm) low frequency 0.5" (12.7mm) high frequency
Cone and surround	treated paper
Sensitivity	90dB @ 1 watt, 1 meter
Max power	30W
Nominal dispersion	100°
Frequency range	200Hz / 16kHz ± 10dB
Impedance	8Ω
Power taps	25/70V: 5, 10, 15, 20, 30W
Minimum impedance	6Ω @ 20kHz
Termination type	removable captive screw
Max wire guage	14 AWG
Cabinet enclosure	extruded aluminum
Grill / bracket	aluminum
Finish	"champagne" epoxy satin

physical dimensions:

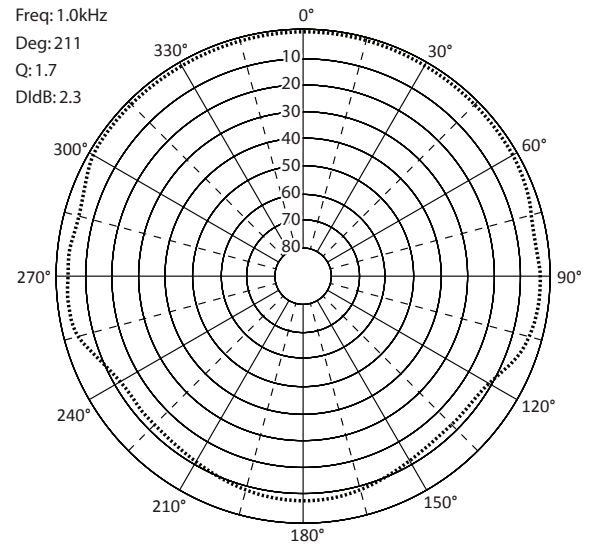
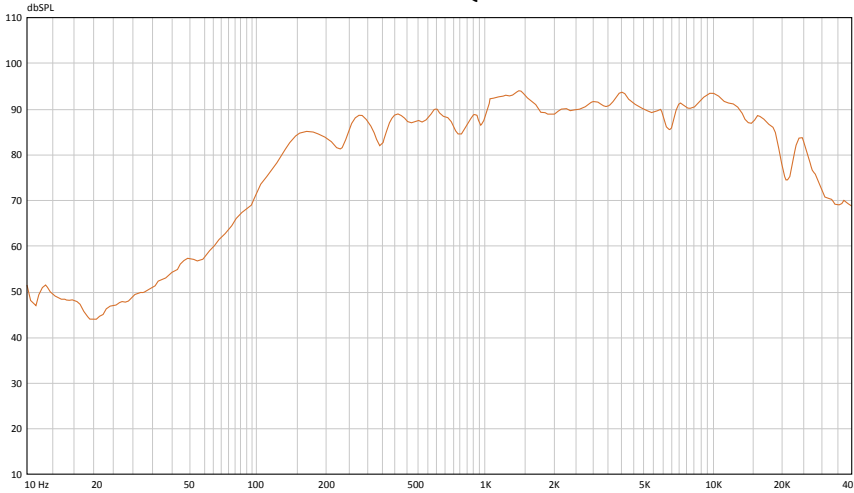
Height	10.25" (265mm)
Width	5.78" (150mm)
Depth	5.78" (150mm) (includes read wire restraint and mounting bracket)



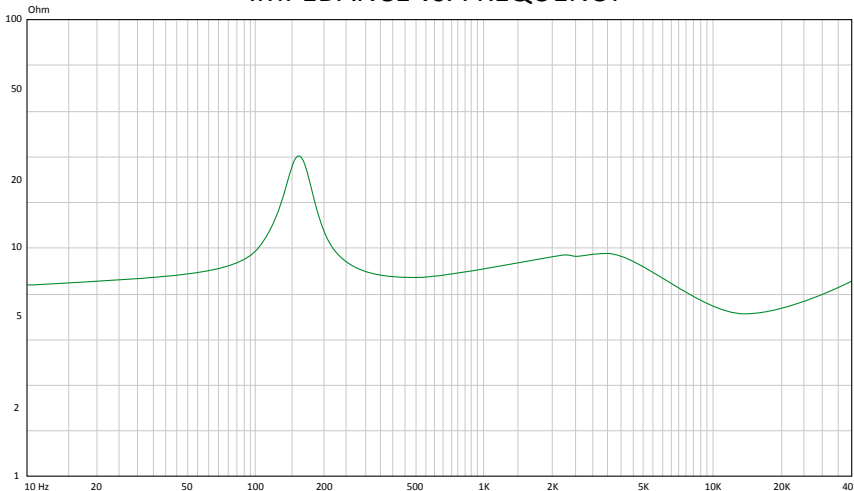
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SPL vs. FREQUENCY



IMPEDANCE vs. FREQUENCY



architect's specification:

The surface mount loudspeakers shall be Convex model CVL32, consisting of one 4" LF and one 0.5" HF driver having a frequency response not less than 200Hz to 16kHz \pm 10dB and a sensitivity not less than 90dB at 1 watt, 1 meter. The loudspeaker shall have a power handling capability of not less than 30 watts.

The loudspeaker shall have selectable impedance switching compatible with both 25V and 70V systems and power settings at 5W, 10W, 15W, 20W and 30W as well as a position for 8 Ω direct. The mini-line column loudspeakers shall be enclosed in a weather resistant aluminum housing and ship complete with mounting hardware.

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